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BIENNIAL REPORT

1979 - 81

COUNTY of LOS ANGELES

DEPARTMENT of ARBORETA and BOTANIC GARDENS

SHOUT
SHARE
IT

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FRANCIS CHING
DIRECTOR

LOS ANGELES STATE AND COUNTY ARBORETUM
DESCANSO GARDENS
SOUTH COAST BOTANIC GARDEN

Department of
Arboreta and Botanic Gardens

Francis Ching
Director

301 NORTH BALDWIN AVENUE, ARCADIA, CA 91006 PHONE: (213) 446-8251

January 6, 1983

Honorable Board of Supervisors
County of Los Angeles
383 Hall of Administration
500 West Temple Street
Los Angeles, CA 90012

Gentlemen:

Our goals during this biennium were geared toward improving the gardens as public-oriented facilities by constructing new interpretive centers, redesigning and labelling garden displays and providing leaflets and brochures to guide home horticultural practices.

The staff was reduced to 106.8 budgeted positions and with the additional financial adjustments that ensued, we aimed to increase the efficiency of the smaller staff while utilizing a larger number of volunteers from each garden's supporting group.

The continued support of the California Arboretum Foundation, Descanso Gardens Guild, and the South Coast Botanic Garden Foundation helped to sustain the gardens after the loss of funding and staff employees. Each group has played an important role in the continuing success of the gardens by fund raising and assisting in the general upkeep of the gardens.

The Hall of Environmental Education, totally funded by the California Arboretum Foundation's fund raising, was completed and dedicated during this biennium. Descanso Gardens Guild raised over $800,000 towards the construction of a new exhibit, administration and education complex. The South Coast Botanic Garden Foundation contributed $10,000 towards the administration and public service building at South Coast Botanic Garden.

With the dedication of the volunteers and current staff, the Department is making progress. We are confident that with their help, the Department will continue to provide attractive and high quality facilities for the advancement of horticulture in Southern California and for the public's enjoyment.

Very truly yours,

Francis Ching
Director

FC:lh

LOS ANGELES STATE AND COUNTY ARBORETUM

The visitor-oriented, 127-acre Los Angeles State and County Arboretum consists of plant collections from all over the world planted in sections according to their continent of origin and specialty gardens such as the Herb Garden, Prehistoric and Jungle Garden, Garden For All Seasons, Sunset Magazine Demonstration Home Gardens, Juniper Collection, Groundcover Display, Turfgrass Display, and the Tropical Greenhouse.

In addition to the usual maintenance required for the grounds, buildings, and equipment, several major garden improvements were completed this biennium. The Herb Garden, with the assistance of the Herb Society of America, was vastly improved with additional flag stone walkways, an interpretive center, redesigned and labeled garden plots, and a new sun dial. Construction of the flagstone walk was done by garden staff and major funding for the interpretive center was donated by the Hancock Park Garden Club with additional sums from the Herb Society of America, Southern California Unit, and the California Arboretum Foundation.

The nursery, responsible for growing new plant material to add to the plant collection and for potential Arboretum introductions to the Southern California landscape, was improved with the addition of a new drip irrigation system for container plants including plants grown for Arbor Day.

A total of 7,703 plants were planted and added to the Arboretum collection and 1,814 trees in five-gallon containers were donated to schools in Los Angeles County for Arbor Day.

Other garden improvements during this biennial period include a new Southwest native plant garden landscaped and planted with the aid of the California Conservation Corps and a new retaining wall in the Sunset Demonstration Home Garden to improve the north section of the garden in connection with the completion of the new Hall of Environmental Education.

A windstorm on February 8, 1980 resulted in several months of work to trim, cut and remove hundreds of damaged trees and shrubs from the grounds. A major loss was a coast redwood over 100 years old growing in the historical section. Numerous mature eucalyptus also fell, blocking roads and paths and destroying shrubs. An emergency grant from the Institute of Museum Services allowed the quick cleanup of the grounds for public use.

Flower Shows and Special Events

Akebono Bonsai Society
American Begonia Society
Amaryllis Show
America's Fantasy Dance Festival
Arboretum District Flower Show School
Aril Society Show
Baldwin Bonanza
Baikoen Kenkyukai Bonsai Show
Cactus Show
CETA Festival of the Arts
Environmental Resource Fair
Fall Garden Show
Girl Scout Flower Show
Gladiolus Show
Hemerocallis Show
Herb Society Cooking Class
Les Brown Concert
Los Angeles International Fern Show
Mame Show
Pacific Rose Society Show
Pasadena Junior League Show
Pest Controllers
Queen Anne Cottage Open House
Santa Anita Bonsai Show
Satsuki and Azalea Show
School of Rose Judges
So. Calif. Camellia Society Show
So. Calif. Iris Society Show
Southland Orchid Show
UCLA Extension Course

Meetings at the Arboretum

Agricultural Commissioners
Akebono Bonsai Society
American Begonia Society
Arboretum District Calif. Garden Clubs
Arcadia Garden Club
Aril Society
Board of Governors
Cactus and Succulent Society of America
CAF - Executive Committee
California Library Association
Chief Deputy's Luncheon
County Mental Health Department
Cymbidium Society
Entomological Club
Epiphyllum Society
Floralia Guild
Frontier Tours Luncheon
Gladiolus Society
Greater Los Angeles Rose Council
Hemerocallis and Amaryllis Society
Herb Society
Indian Botanical Utilization Conference
Kiwanis
Las Voluntarias y Los Ayudantes
Los Angeles International Fern Society
Los Angeles Science Teacher's Conference
Los Angeles Unified School District
Mame Society of Southern California
Pacific Rose Society
Pasadena Garden Club
Pasadena City College Women's Club
San Gabriel Valley Bromeliad Study Group
San Gabriel Valley Cactus & Succu. Society
San Gabriel Valley Orchid Hobbyists
Santa Anita Bonsai Society
Southern California Daddodil Society
State Department of Rehabilitation
Sunset Panel
Theodore Payne Foundation Lecture
Welfare Fraud Investigation
Temple City Camellia Society

Weather

	1979-80	1980-81
Hightest temperature	109° Sept. 9	107° June 16
Lowest temperature	34° Dec. 23	36° Jan. & Feb.
Days of Rain	52	25
Rainiest Month	Feb. 17.80"	Mar. 5.6"
Total Rain	37.07"	10.45"

DESCANSO GARDENS

Development and Maintenance

Descanso Gardens, famous for its camellia forest, also has a unique rose garden and a substantial native plant garden. A tea house, Japanese garden, and Hospitality House share the landscape with lilacs, orchids, and an azalea collection. These features, combined with annuals on display throughout the year, make for an attractive garden during any season.

In addition to normal maintenance required for the grounds, buildings, and equipment, improvements were made within the limited budget and manpower to benefit visitors and to improve the efficiency in garden operation.

The appearance of the main entrance driveway was enhanced by a grove of flowering peach trees. The area around the bird station was planted with redwoods to improve the setting and create an environment more attractive to birds and bird-watchers.

Two hundred new rose bushes were added to the modern rose garden including the 1980 and 1981 AARS winners. The gardens were further improved with the addition of new flower beds for annuals and perennials.

Descanso Gardens obtains a substantial portion of its irrigation water from its own watershed area in the Hall Beckley Canyon. A high priority item was the prompt repair and maintenance of the system that provides quality irrigation water.

Flower Shows and Special Events

Annual Art Show
Bonsai Show
Camellia Show
Christmas Show
Chrysanthemum Show
John Tracy Clinic
La Canada Beautiful Dinner
La Canada-Flintridge Fund Raiser
Paseo por Descanso
Pasadena City College Band
Sweet Adelines Singing Group

Meetings at Descanso Gardens

A.F.S. Japanese Student Seminar
Audubon Society
Bonsai Society
California Association of Nurserymen
Daffodil Society
Docent Training Class
Gabrini Literary Guild
La Canada-Flintridge Council
Pasadena Art Council
Santa Barbara Docents Visit
Seminar for L.A. County Regional Planning
Smith College Alumnae
Southern California Camellia Council
U.C.L.A. Extension Course

Weather

	1979-80	1980-81
Highest temperature	103° July 17	109° Sept. 30
Lowest temperature	30° Nov. 21	31° Feb. 26
Days of Rain	49	23
Rainiest Month	Feb. 16.09"	Mar. 5.00"
Total Rain	37.07"	13.53"

SOUTH COAST BOTANIC GARDEN

Garden Development and Maintenance

The most challenging facility for the department to maintain and develop is the 87-acre South Coast Botanic Garden. Constructed on a landfill, the garden continues to have problems caused by refuse decomposition and its by-products, heat, methane gas, and soil settling.

Routine maintenance has become a major project with roads and garden areas subsiding unevenly and the sprinkler system in need of constant repair. However, several improvements were undertaken during this biennial period.

A shade garden was completed to enhance the tram loading area. The Cliff Graham Memorial Shade Garden now provides a peaceful setting for visitors who are waiting to board the tram. Across the area from the tram loading zone, the first of a series of demonstration patios was also constructed. The demonstration patios will eventually display different construction materials and the uses of containers and planters for homeowners.

The annual and perennial garden maintained by the volunteers was given a new look with paths and raised growing beds constructed of used telephone poles. A dwarf apple orchard was planted and other deciduous fruit trees added to the memorial deciduous orchard.

Flower Shows and Special Events

Cactus and Succulent Society Show
Costa Verde District of the Calif. Garden Clubs, Inc.
Fiesta de Flores Plant Sale
Greater L.A. Rose Council Sale
South Bay Bromeliad Associates
South Coast Camellia Society Show
South Coast Bonsai Society Show
South Coast Dahlia Society
South Coast Rose Society
Japanese Doll and Cultural Show
Palos Verdes Symphonic Band Concert

Meetings at South Coast Botanic Garden

Aardvark 4-H
American Bamboo Society
American Field Service
Assembly of the Cotillions
Assistance League of San Pedro
Boy Scouts of America
Calif. Assoc. of Nurserymen-Centinella Chapter
City of Rolling Hills
Costa Verde District
Delta Kappa Gamma
Eleventh Grade Ticktockers National Charity
First Church of Christ Scientist (RHE)
International Plant Propagation Society
L.A. County 4-H Clubs
L.A. County Health Services Dept.
L.A. County Medical Association Auxiliary
L.A. County Medical Association - District #3
Los Cancioneros
National Charity League
National Fuchsia Society
Palos Verdes Coordinating Council
Palos Verdes Peninsula Audubon Society
Palos Verdes Peninsula 4-H Club
Palos Verdes School District
Peninsula Symphony Association
Rancho Palos Verdes Senior Citizen Luncheon
Retired Senior Volunteer Program
Rolling Hills 4-H
Rolling Hills High School
South Bay Bromeliad Associates
South Bay Conservatory
South Bay Orchid Society
South Bay Pan Hellenic
South Coast Bonsai Association
South Coast Camellia Society
South Coast Cactus and Succulent Society
South Coast Rose Society
Torrance Women's Club
Transcendental Meditation Program

Weather

	1979-80	1980-81
Highest temperature	100° Sept. 16	104° June 16
Lowest temperature	32° Nov. 19, 20, 21	35° Jan. 31
Days of Rain		
Rainiest Month	Feb. 9.83"	Mar. 3.1"
Total Rain	25.29"	9.92"

Education/Public Services Division

This division provides a multitude of services in the operation of the gardens and its services to the public. Major functions include the collection of admission fees, publicity for the garden and its events, reproduction of booklets, maps, calendars of events, brochures, and business forms. Overall management of the historical section, plant science library, school field trips, and the operation of the tram tours are also the responsibility of this division.

Division accomplishments included the department-sponsored Arbor Day Program. In California, Arbor Day is celebrated on March 7, Luther Burbank's birthday, highlighting conservation week and promoting the preservation and usefulness of trees in the community. The Arbor Day Program consists of providing participating schools with trees in five-gallon containers, grown by the Arboretum gardening staff, and a resource packet useful for the teacher at the elementary grade level. Another successful program is the on-going guided school field trips for elementary students. The three operating gardens, with the aid of volunteers, are able to continue the one-and-one-half hour tours on early California history and an introduction to plant science called "Plants and Man."

A major program of the gardens is the dissemination of horticultural information. This is accomplished through a plant consultant service, through the distribution of printed materials, and through the Plant Science Library.

Two new publications were made available to the public. A guide to the Tropical Greenhouse is an eight page booklet focusing on the outstanding collection of frost-tender, tropical plants found growing in the attractively designed display greenhouse. The second booklet, The Brachychiton Plant Collection at the Los Angeles State and County Arboretum, is an introduction to trees of the Sterculiaceae family found growing on the Arboretum grounds. Growth and identification characteristics of the different brachychiton are carefully illustrated so the homeowner can identify them. Further horticultural information, from basic gardening books to scientific journals, can easily be obtained in the 24,000 volume Plant Science Library.

School Field Trips

For many years, the gardens of this Department have provided guided school field trips for students, grades 3 through 6, in two basic areas of study: the relationship of plants and man, and early California history. These subjects have been presented in accordance with approved State of California textbooks in the social and natural sciences. The number of school field trips made by Los Angeles County Schools is determined mainly by the amount of funding available for busing costs.

Field Trip Attendance 1979-1980

	DISTRICT 1	DISTRICT 2	DISTRICT 3	DISTRICT 4	DISTRICT 5	TOTAL
ARBORETUM	2,140	1,403	2,488	987	2,624	9,642
DESCANSO	157	1,662	2,153	730	1,930	6,632
SOUTH COAST	126	1,540	1,423	1,396	429	4,914
TOTAL	2,423	4,605	6,064	3,113	4,983	21,188

Field Trip Attendance 1980-1981

	DISTRICT 1	DISTRICT 2	DISTRICT 3	DISTRICT 4	DISTRICT 5	TOTAL
ARBORETUM	2,165	1,371	1,088	685	1,747	7,056
DESCANSO	125	591	565	422	1,037	2,740
SOUTH COAST	0	179	180	475	0	834
TOTAL	2,290	2,141	1,833	1,582	2,784	10,630
GRAND TOTALS	4,713	6,746	7,897	4,695	7,757	31,818

GUIDED SCHOOL FIELD TRIPS

1979-81

St. Felicitas, San Marino
Ben Lomond, Covina
Carver, San Marino
Foster School, Baldwin Park
First Lutheran, Los Angeles
Pinecrest, Van Nuys
Webster, Pasadena
Hamilton, Pasadena
All Souls, Alhambra
College Intermediate, Long Beach
Suva Elementary, Bell Gardens
Roosevelt, Anaheim
Kenmore, Baldwin Park
Verdugo Woodlands, Glendale
Calvary Baptist, Gardena
San Fernando Valley Christian, Sepulveda
Longfellow, Pasadena
Mountain Avenue, La Crescenta
Northrup, Alhambra
Faith Lutheran, Whittier
Jackson, Altadena
Cleveland, Pasadena
Mariposa, Ontario
First Baptist, Pomona
Selby Grove, Pico Rivera
Irwin Elementary, Victorville
McKinley Fundamental, Pasadena
Olita, La Habra
Hacienda, La Habra
American Christ Academy, Pomona
Kenmore, Baldwin Park
Laurel Hall, North Hollywood
La Verne Heights, San Dimas
Monte Vista, West Covina
Cienega, Covina
Workman, La Puente
Sheppard, Victorville
Walnut, Baldwin Park
St. Cyril's, Encino
Caldwell Street, Compton
Orange Grove, Whittier
Barnhart, Arcadia
La Mirada, La Mirada
Westmont, Pomona
Valentine, San Marino
Los Alamitos, Los Alamitos
Bella Vista, Monterey Park
St. Mark's, Altadena
Martha Baldwin, Alhambra
Glendale Academy, Glendale
St. Charles, North Hollywood
Rancho, Downey
Jefferson, Pasadena
Monte Vista, La Crescenta
Esther L. Walter, Anaheim
Santa Anita, Arcadia
Madison, Pasadena
Washington Fundamental, Pasadena
Nativity, Torrance
Colmar, Bell Gardens
Sierra Mesa, Sierra Madre
Pasadena Alternative, Pasadena
Geddes, Baldwin Park
Montebello Park, Los Angeles
Bassett, La Puente
Meadow Park, Downey
Johnston, Norwalk
Cleveland, Pasadena
Vine, West Covina
St. Emydius, Lynwood
Lake Arrowhead, Lake Arrowhead
Bethany Christian, Whittier
Shady Bend, Hacienda Heights
Gooden, Sierra Madre
Walnut, La Habra
Kiwis, Hacienda Heights
Wadsworth, Los Angeles
Mirman, Los Angeles
Field, Pasadena
Old Orchard, Newhall
Alternative School, Altadena
Willow, Lakewood
First Street, Los Angeles
City Terrace, Los Angeles
Hobart Blvd., Los Angeles
Wilmington Park, Wilmington
Beautitudes of Our Lord, La Mirada
Cameron, West Covina
Dorris Place, Los Angeles
Calvary Christian, Glendale
Willow, Lakewood
Ascot Avenue, Los Angeles
Chandler, Pasadena
Hutchinson, La Mirada
St. Gregory, Whittier
99th Street, Los Angeles
75th Street, Los Angeles
La Colima, Whittier
Obregon, Pico Rivera
Franklin, Whittier
Langland, Arcadia
Hammel Street, Los Angeles
Franklin, Altadena
Williams, Glendora
South Ranchito, Pico Rivera
122nd Street, Los Angeles

Madison, Redondo Beach
Avalon Gardens, Los Angeles
Normandie, Los Angeles
Van Nuys, Van Nuys
Chaparral, Claremont
Dixie Canyon, Sherman Oaks
Woodcrest, Los Angeles
Sierra Canyon, Chatsworth
Laurel Hall, North Hollywood
Glassell Park, Los Angeles
Hawaiian Avenue, San Pedro
Orange Grove, Whittier
Berkeley, Fullerton
Sumner, Claremont
Area 7 Alternative, Los Angeles
Lafetra, Glendora
68th Street, Los Angeles
Gardena Christian, Gardena
St. Joseph the Worker, Canoga Park
Trinity Lutheran, Pico Rivera
Garden of Foothills, Arcadia
Glendale Academy, Glendale
Holly Avenue, Arcadia
Hyde Park, Los Angeles
Christian Chapel, Walnut
Thomas Jefferson, Bellflower
Don Benito, Pasadena
Mayfield, Pasadena
Cedar Grove, Covina
Willard, Rosemead
Maxon, El Monte
Jellic, Rowland Heights
Vine, West Covina
Gardner Street, Los Angeles
Villa Corta, La Puente
Golden Springs, Diamond Bar
Elizabeth, Cudahy
St. Francis, Sherman Oaks
Johnston, Norwalk
Jackson, Altadena
Taper Avenue, San Pedro
Catskill, Carson
Rorimer, La Puente
Santa Anita, Arcadia
Kenter Avenue, Los Angeles
Edison, Altadena
Margaret Heath, Baldwin Park
Albion, Los Angeles
Victoria Avenue, Los Angeles
Lowman, Los Angeles
Limerick Avenue, Los Angeles
Clifford Street, Los Angeles
Platt Ranch, Los Angeles
Micheltorena Street, Los Angeles
Hubbard, Los Angeles
Carpenter Street, Los Angeles
Cheremoya, Los Angeles
156th Street, Los Angeles
Fries Avenue, Los Angeles
Figueroa Street, Los Angeles
Robert H. Lane, Los Angeles
Pt. Fermin, Los Angeles
Stoner Avenue, Los Angeles
Marianna Avenue, Los Angeles
Pacific Palisades, Los Angeles
Nora Sterry, Los Angeles
La Salle, Los Angeles
Calvert Street, Los Angeles
Tulsa Elementary, Los Angeles
Budlong Avenue, Los Angeles
Manchester Avenue, Los Angeles
24th Street, Los Angeles
Soto Street, Los Angeles
Pomelo Drive, Los Angeles
Eshelman Avenue, Los Angeles
Norwood Street, Los Angeles
Glen Alta, Los Angeles
Sheridan, Los Angeles
Malabar Avenue, Los Angeles
49th Street, Los Angeles
Revere Midsite, Los Angeles
Park Avenue, Los Angeles
Capistrano Avenue, Los Angeles
R.H. Lane, Los Angeles
Manhattan Place, Los Angeles
Special Education Center, Los Angeles
Trinity Street, Los Angeles
Amestoy, Los Angeles
Gulf Avenue, Los Angeles
Stonehurst Avenue, Los Angeles
Belvedere Elementary, Los Angeles
Santa Monica Blvd., Los Angeles
Broadacres Avenue, Los Angeles
State Street, Los Angeles
Denker Avenue, Los Angeles
Lorena Street, Los Angeles
Beckford Avenue, Los Angeles
Toluca Lake, Los Angeles
Sierra Park, Los Angeles
Canterbury Avenue, Los Angeles
Winnetka Avenue, Los Angeles
Normont, Los Angeles
Lanai Road, Los Angeles
Cortez Street, Los Angeles
Chapman, Los Angeles
Weigan Avenue, Los Angeles
Graham Street, Los Angeles
Gulf Avenue, Los Angeles
Dahlia Heights, Los Angeles
Rosemont Avenue, Los Angeles
Euclid, Los Angeles
Buchanan, Los Angeles
Oakdale, Los Angeles
Corona, Los Angeles

UNGUIDED SCHOOL FIELD TRIPS

1979-1981

ELEMENTARY SCHOOLS

Breed Street, Los Angeles
Fremont, Los Angeles
Shelyn, Rowland Heights
Yukon Intermediate, Hawthorne
Northrup, Alahambra
State Street, South Gate
Johnson Intermediate, Westminister
Woodcrest, Los Angeles
Golden Springs, Diamond Bar
Franklin, Pasadena
Emmaus Lutheran, Alhambra
St. Pancratius, Lakewood
Hobart, Los Angeles
Weigan Avenue, Los Angeles
Downey Road, Los Angeles
Mountain Avenue, Glendale
Longfellow, Pasadena
Central Christian, El Monte
Nazarene Christian, Long Beach
Burbank, Pasadena
Alta Loma, Los Angeles
Potrero, El Monte
Webster, Pasadena
Murray, Azusa
Heritage, Anaheim
Selby Grove, Pico Rivera
Winter Gardens, Montebello
Hugo Reid, Arcadia
Vineland, Baldwin Park
De Anza, Baldwin Park
Valley View, Duarte
Carver, Cerritos
Truett Christian, Long Beach
Cameron, Barstow
Olita, La Habra
Esther Lindstrom, Bellflower
St. Casmir, Los Angeles
Tri-Community, Charter Oak
Main Street, Los Angeles
Gardena, Gardena
Bakersfield Academy, Bakersfield
Villacorta, La Puente
Jonas Salk, Anaheim
Jefferson, Riverside
Burbank, Altadena
Lankersheim, North Hollywood
Gardena Valley Christian, Gardena
Oakwood, North Hollywood
Bell Gardens, Bell Gardens
Bethany, Sierra Madre
Rowland Hgts. Christian, Rowland Heights
Clairbourne, San Gabriel
California, La Puente
Longley Way, Arcadia
Willard, Rosemead
St. Cecilia, Tustin
Arroyo, Ontario
Sycamore, Upland
Clearwater Intermediate, Paramount
Imperial, Whittier
Evergreen, Whittier
Rosemead Christian, Rosemead
Granada Hills Baptist, Granada Hills
Mulhall, El Monte
Lutheran School, La Crescenta
St. Mary's, Los Angeles
St. Lukes, Temple City
Zion Lutheran, Glendale
Trinity Christian, Sunland
St. Joseph's, Upland
Bethany Baptist, Long Beach
Cheder Chabad, Los Angeles
St. Joseph, Pomona
Reformation Academy, Pasadena
Field, Pasadena
San Fernando Valley Christian, Sepulveda
Imperial, Pasadena
24th Street, Los Angeles
Will Rogers, Lynwood
Flammer, La Puente
Madison, Pasadena
Maxon, El Monte
Hillcrest, Monterey Park
Randall Pepper, Fontana
Cameron, Barstow
Alameda, Downey
Carver, Los Angeles
Garfield, Bell Gardens
Suva, Bell Gardens
Grove Center, Covina
Taper Avenue, San Pedro
Area 7 Alternative, Los Angeles
Hugo Reid, Arcadia
South Ranchito, Pico Rivera
Mesa, Covina
Coolidge, San Gabriel
St. Maria Goretti, Long Beach
Bonita Park, Arcadia
Immaculate Heart, Los Angeles
Grandview, Manhattan Beach
Covenant Faith Ctr., Northridge
Huntington Drive, Los Angeles
Sierra Madre, Sierra Madre
Arcadia, Arcadia
Tray, Baldwin Park
Goldenberg, West Los Angeles

UNGUIDED FIELD TRIPS (Cont.)

Edison, Pasadena
Coolidge, San Gabriel
Parkside, San Bernardino
Anton Martin Slomsek, Etiwanda
Luther Burbank, Pasadena
Pacific Ackworth Friends, Temple City
Calvary Road Christian, Monrovia
Casey, Rialto
The Garden Lee, Sun Valley
Rio Hondo, Arcadia
Villa Esperanza, Pasadena
Bella Vista, Monterey Park
Lee, Azusa
Jackson, Altadena
Van Wig, La Puente
Edison, Glendale
Carpenter, Downey
West Vernon, Los Angeles
Soto, Los Angeles
St. Frances of Rome, Azusa
Mayflower, Monrovia
Wilberson, El Monte
Don Benito, Pasadena
Meher Montessori, Altadena
Hillside, Los Angeles
Kingsley, Pomona
Belvedere, Los Angeles
ABC, Los Angeles
Eastmont, Los Angeles
Loyola Village, Los Angeles
Sparks, La Puente
Westminster Avenue, Venice
Nazarene Christian, Altadena
Yorbita, La Puente
Foster, Baldwin Park
Christian Chapel, Walnut
Pacific Oaks, Pasadena
Park Grove, Azusa
Amar, La Puente
107th Street, Los Angeles
Lane, Los Angeles
St. Rita, Sierra Madre
Saturn, Los Angeles
Castle Rock, Diamond Bar
State Street, South Gate
Linda Vista, Pasadena
Valencia, Covina
Sunny Valley, Tujunga
Princeton Christian Academy, Ontario
St. Bede, La Canada
Area 4 Alternative, Los Angeles
Maryvale, Rosemead
Escalon, Pasadena
San Pedro, Los Angeles
Hesperia Christian, Hesperia

Monte Vista, Santa Ana
Marshall Secondary, Pasadena
Allegra, Pasadena
Normont, Harbor City
Mary Bennett, Los Angeles
Horace Mann, Los Angeles
Woodruff, Montebello
Castlebay Lane, Los Angeles
Toland Way, Los Angeles
Dewey Avenue, San Gabriel
Le Gore, El Monte
Towne Avenue, Los Angeles
Alameda Street, Los Angeles
Benito Juarez, Cerritos
Meadow Park, Downey
118th Street, Los Angeles
Desert Center, Desert Center
Central, Los Angeles
Buchanan, Los Angeles
Maryknoll, Los Angeles
Bradley, San Bernardino
Los Cerritos, Bellflower
Our School, Pasadena
El Rancho, Chino
Lassalette, La Puente
Pyles, Anaheim
San Rafael, Pasadena
Anoakia, Arcadia
Mark Keppel, Glendale
Holy Martyr, Encino
10th Street, Los Angeles
Valley, Yucaipa
Lindberg, Lynwood
Betsy Ross, Bellflower
Payne, El Monte
Walter Knott, Buena Park
Murchison, Los Angeles
Dublin, Los Angeles
Sacred Heart, Covina
St. Cecilia, Tustin
St. Anthony, San Gabriel
Olive Vista, Pomona
Roosevelt, Pasadena
San Marino Montessori, Pasadena
Southwestern Academy, San Marino
Salem Lutheran, Glendale
Rim of the World, Running Springs
Morningside, Los Angeles
Santa Monica Blvd., Los Angeles
Soledad, Canyon Country
Allesandro, Los Angeles
Cucamonga, Cucamonga
St. Mark's,Hacienda Heights
Charter Oak, Los Angeles
Redeemer, Los Angeles

UNGUIDED SCHOOL FIELD TRIPS - (Cont.)

Stancliff, South Pasadena
Riverview, Norco
Sellers, Glendora
Sunrise Christian, Baldwin Park
Kittridge Street, Van Nuys
Edgewood Center, Azusa
Dublin, Los Angeles
La Verne, La Verne
Amestoy, Gardena
Arrow Highway Christian, Pomona
Hazeltine, Van Nuys
Puente Baptist Temple, La Puente
Alpha Christian, Azusa
Merci, Monterey Park
Calle Mayor Middle, Torrance
Maranerita, Alhambra
Dixie Canyon, Sherman Oaks
Liberty, Riverside
Westport Heights, Los Angeles
Miramonte, Los Angeles
Cabrillo, Upland
111th Street, Los Angeles
Beryl, Redondo Beach
McKinney, Long Beach

JUNIOR HIGH SCHOOLS

Horace Mann, Los Angeles
Stevenson, Los Angeles
Byrd, Los Angeles
Mt. Vernon, Los Angeles
Palms, Los Angeles

HIGH SCHOOLS

Perris
Cerritos
Eisenhower
Bassett
Canyon
Garfield
Arcadia
Wilson
Van Nuys
San Dimas
Azusa
Monrovia
Santa Ana
Saugus
Blair
Simi Valley
San Gabriel
Fremont
Elsinore
Norte Vista
La Sierra
Baldwin Park
Estancia

UNGUIDED SCHOOL FIELD TRIPS - (Cont.)

COLLEGES

Cal Poly, Pomona
College of the Desert
Long Beach City College
Ventura College
Pacific States University
Claremont College

ADULT EDUCATION

Pasadena City College
Montebello Child Study Group
Rose Hills Parent Education Class
San Gabriel Adult School
Glendora Adult School
Alhambra Adult Education
Glendale Community College
Nippon Business School, Los Angeles
Franklin Community Adult School
Montebello Adult School
Lutheran Church of the Cross
Azusa Adult Education
Portrero School - Adult Education
Baldwin Park Parent Education
Tri-Community Adult School
Bassett Adult Education
Mark Keppel Adult School

CLUBS AND CHURCHES

Indian Club
Crescent MGM Club
First Church of the Nazarene, Trail Program
Grace Community Church
San Marino Gymnastics
Salamin Camera Club
Life Credence
New Games Club,
YMCA Travel Club
Hope Guest Home
Centro de Ninos
Rose Hills Recreation Ctr.
San Hidalgo Foundation
Pasadena First Church of the Nazarene
Rosemead Sunday School
El Calvario Community School
San Marino Community Church
American Red Cross
El Monte Pathfinder Club

UNGUIDED SCHOOL FIELD TRIPS - (Cont.)

HANDICAPPED, SPECIAL EDUCATION, AND HOSPITAL GROUPS

Learning Handicapped Class, Hamilton Franklin School
Meadow Park School of Downey
Program for the Developmentally Handicapped
San Pedro Special Education Center
East Whittier Development Center
Edgemont Hospital
Beverly Hills Stroke Club
Methodist Hospital, Arcadia
Hill Haven Convalescent Hospital
Hawthorne Intermediate E. H. Class
Alhambra Psychiatric Hospital
Whitehall Convalescent Hospital
La Habra Community Hospital
Brea Hospital
Saturday Program for the Autistic, West Covina
Gold Nuggetts (Developmentally disabled)
Kellogg Valley Inn (Mentally deficient)
Sepulveda Veterans Medical Center
Harbor View Home
Rio Hondo Day Treatment Center
Landmark Medical Center
Lanterman State Hospital
Woodview Calabasas Psychiatric Hospital
Patton State Hospital
Long Beach Memorial Hospital
East Los Angeles Center for Educational Therapy
Los Angeles Day Treatment Center
Los Angeles County Language Delayed Aphasia Education
Department of Mental Health
Brentwood Veterans Medical Center
San Bernardino County Mental Health Services

Arbor Day

1980 - Tree was Arboretum Introduction - Callistemon "Red Cascade"
916 participating schools from 54 school district

1981 - Tree was Arboretum Introduction - Cassia leptophylla "Gold Medallion"
818 participating schools from 49 school district

RESEARCH DIVISION

The Research Division at the Department of Arboreta and Botanic Gardens is responsible for keeping an on-going record of the plant collection growing on the grounds, collecting and exchanging plant material with other institutions, introducing new plant material to Southern California, maintaining the herbarium, and conducting plant science research.

At the present time, the plant records section is inventorying and mapping all plants growing on the grounds and correcting the computerized plant records. The Arboretum is divided into 200-foot squares. Sixty-five squares were mapped showing the permanent planting in each square.

Over 1000 different seed packets obtained from our seed exchange program with over 400 arboreta and botanic gardens throughout the world were accessioned and sent to the nursery for planting as part of the Plant Collection and Introduction Program. These plants are being grown and tested as potential new introductions to the Southern California landscape. Four plants were released to the public as Arboretum Introductions during this reporting period. These plants are: Brunfelsia pauciflora var. exima, Xanthorrhoea media, Agapanthus 'Walter Doty', and Grevillea 'Clearview David'.

The major research program at the Arboretum was the guayule project. Guayule, a desert shrub native to the southwestern United States, has shown commercial potential in the production of latex or natural rubber. The project was funded by grants from the National Science Foundation and the U.S. Department of Agriculture. Research on the yield of rubber from guayule was conducted through hybridizing, use of bioregulator chemicals, and cultural research for disease resistance.

During this reporting period, a two-year grant project supported by the National Science Foundation on waste water and the fate of virus in soil was terminated. As imported water becomes expensive in Southern California, the use of waste water for cultivating plants in parks, golf courses, and parkways has become increasingly important.

SUPPORTING ORGANIZATIONS

Supporting organizations provide the Department with volunteers, sponsor fund raising activities, cultural and educational events, and support the Department in improving each of the gardens with funding for capital projects, services, and supplies. The California Arboretum Foundation is the supporting foundation for the Los Angeles State and County Arboretum.

California Arboretum Foundation

The major accomplishment during this reporting period was the completion and dedication of the new Hall of Environmental Education. This 10,000-square-foot building provides the badly needed indoor space to house major flower shows, exhibitions, and fund raising events. A fully equipped kitchen is included in the Hall. The Hall was constructed with funds raised by the California Arboretum Foundation and donated to the County of Los Angeles.

The Foundation donates approximately $50,000 per year for equipment, supplies, and repairs in the operation of the garden. In addition, the volunteers donated over 60,000 hours to special events, garden maintenance, and services to the public provided through the Arboretum.

As of June 30, 1981, the Foundation membership totaled 3,300. Las Voluntarias y Los Ayudantes, the volunteer group of the Foundation, has an active membership of 309.

Fund raising events for the two years included the Baldwin Bonanza and the Queen Anne Frolic. The annual Baldwin Bonanza plant sales were held the first weekend in May. Net proceeds from the two plant sales were in excess of $80,000. The Queen Anne Frolic, an open house of the historical area, provided an evening of entertainment and netted proceeds over $17,000. The event is held biennially.

Other Foundation activities included the operation of the gift shop, summer picnic concerts, open house at the Santa Anita Depot, and the Fall Garden Fair.

Descanso Gardens Guild

Descanso Gardens Guild is the non-profit organization dedicated to serving Descanso Gardens.

Membership in this organization was 1,300 as of June 30, 1981.

The Guild's primary objective has been the raising of funds for a new multi-purpose hall and entranceway complex. Building for the new complex is planned to start shortly in the coming fiscal year. The total amount raised was $888,532.00.

The Guild donates approximately $15,000 per year towards the operating expenses, supplies, plant materials, repairs to equipment, and purchasing of new equipment and tools.

Over 35,000 hours of volunteer work was also contributed in aiding the garden from propagating plants to conducting tours, operating the gift shop, and sponsoring fund raising events.

Major Guild events included summer concerts, Paseo por Descanso walks, plant sale, arts and crafts festival, and a Christmas show.

South Coast Botanic Garden Foundation

Organized in 1961, the South Coast Botanic Garden Foundation assisted the Department in developing a new botanic garden over a landfill that was once a diatomaceous earth mine.

During this reporting period the Foundation provided the funds, through donations and grants, for the Cliff Graham Shade Garden, the Charles Wiley Garden, and a new gift shop from funds provided by an ARCO grant.

The Foundation allocates approximately $12,000 per year toward the garden for supplies, tools, and repairs to equipment, including the tram. An additional amount of $10,000 was paid to the county towards the building fund that was used to construct the administrative public services center.

The active volunteer group donated over 22,000 hours to help with the maintenance of the gardens.

The Foundation sponsored an annual plant sale and operated a gift shop for fund raising. Other cultural activities included the annual Christmas show, Sunday afternoon lectures, walks, adult workshops and classes through Harbor Community College, and cosponsorship of many flower shows.

DEPARTMENT OF ARBORETA AND BOTANIC GARDENS

FINANCIAL REPORT

1979-1981

1979-1980

	APPROPRIATION	EXPENDITURE	BALANCE
Salaries & wages	$2,345,951	$2,223,929	$122,022
*Services & supplies	137,159	137,160	
Capital Outlay Equipment	1,600	1,048	552
TOTAL DEPARTMENT	$2,484,710	$2,362,137	

1980-81

*Salaries & wages	$2,487,749	$2,347,285	$140,464
*Services & Supplies	224,083	217,263	6,820
*Capital Outlay Equipment	21,600	4,230	17,370
TOTAL DEPARTMENT	$2,733,432	$2,568,778	$164,654

*Adjusted Appropriation

Number of budgeted positions - 106.8

ADMISSION

	1977-78	1978-79	1979-80	1980-81
Gross Admission	957,052	836,336	805,824	813,681
Total Paid	-0-	413,878	471,908	480,012
Adult - Paid	-0-	327,816	336,880	342,046
Child - Paid	-0-	86,062	135,128	137,966
Total Collected	-0-	300,102	329,849	334,891
Tram	-0-	67,062	77,440	80,890
Group	-0-	3,695	24,117	28,295
Deposited Revenue	-0-	371,327*	432,106	443,910

*11 month total August 1978 through June 30, 1979

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CALIFORNIA ARBORETUM FOUNDATION

79-80 - JAMES P. CURRY

80-81 - JAMES P. CURRY

DESCANSO GARDENS GUILD

79-80 - MRS. RANDY MCDONALD

80-81 - MRS. DOTTIE ARONSTAM

SOUTH COAST BOTANIC GARDEN FOUNDATION

79-80 - MRS. HELEN PICKETT

80-81 - MRS. PAT BOX